1. The radius of the unit circle is \_\_\_\_\_\_\_\_\_\_\_.
2. The circumference of the unit circle is \_\_\_\_\_\_\_\_\_\_\_\_\_.
3. In which quadrants do sine and cosine have the same sign?
4. What relationship do you notice between the points on the unit circle and the sin and cos of the functions?
5. The largest value of sine is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. The smallest value of cosine is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. As angles increase from 0 to 180° what happens to:
   1. The value of sine?
   2. The value of cosine?
8. a. 180° b. 240° c. sin 150° d. 45°

e. 90° f. 660° g. 120° h. 360°

i. 300° j. 180° k. 240° l. 120°